



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office

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NOTICE OF ALLOWANCE AND ISSUE FEE DUE

TM02/0213

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APPLICATION NO.	FILING DATE	TOTAL CLAIMS	EXAMINER AND GROUP ART UNIT	DATE MAILED
09/106,335	06/29/98	020	MIZRAHI, D	2171 02/13/01
First Named Applicant	SWARTZ,	35 USC 154(b) term ext. =		

TITLE OF INVENTION METHOD AND APPARATUS FOR THE INTEGRATION OF INFORMATION AND KNOWLEDGE

ATTY'S DOCKET NO.	CLASS-SUBCLASS	BATCH NO.	APPLN. TYPE	SMALL ENTITY	FEE DUE	DATE DUE
2 D/97528	707-006.000	B93	UTILITY	NO	\$1240.00	05/14/01

**THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED.**

**THE ISSUE FEE MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED.**

**HOW TO RESPOND TO THIS NOTICE:**

I. Review the SMALL ENTITY status shown above.  
If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the status is changed, pay twice the amount of the FEE DUE shown above and notify the Patent and Trademark Office of the change in status, or
- B. If the status is the same, pay the FEE DUE shown above.

If the SMALL ENTITY is shown as NO:

- A. Pay FEE DUE shown above, or
- B. File verified statement of Small Entity Status before, or with, payment of 1/2 the FEE DUE shown above.

II. Part B-Issue Fee Transmittal should be completed and returned to the Patent and Trademark Office (PTO) with your ISSUE FEE. Even if the ISSUE FEE has already been paid by charge to deposit account, Part B Issue Fee Transmittal should be completed and returned. If you are charging the ISSUE FEE to your deposit account, section "4b" of Part B-Issue Fee Transmittal should be completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give application number and batch number.  
Please direct all communications prior to issuance to Box ISSUE FEE unless advised to the contrary.

**IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.**

PATENT AND TRADEMARK OFFICE COPY

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# Notice of Allowability

Application No.  
09/106,335

Applicant(s)

R. Schwartz et al.

Examiner

Diane Mizrahi

Group Art Unit

2171



All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance and Issue Fee Due or other appropriate communication will be mailed in due course.

☒ This communication is responsive to 1-26-01

☒ The allowed claim(s) is/are 1-20

☐ The drawings filed on \_\_\_\_\_ are acceptable.

☐ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).

☐ All ☐ Some\* ☒ None of the CERTIFIED copies of the priority documents have been

☐ received.

☐ received in Application No. (Series Code/Serial Number) \_\_\_\_\_

☐ received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\*Certified copies not received: \_\_\_\_\_

☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

A SHORTENED STATUTORY PERIOD FOR RESPONSE to comply with the requirements noted below is set to EXPIRE **THREE MONTHS** FROM THE "DATE MAILED" of this Office action. Failure to timely comply will result in ABANDONMENT of this application. Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

☐ Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL APPLICATION, PTO-152, which discloses that the oath or declaration is deficient. A SUBSTITUTE OATH OR DECLARATION IS REQUIRED.

☒ Applicant MUST submit NEW FORMAL DRAWINGS

☒ because the originally filed drawings were declared by applicant to be informal.

☒ including changes required by the Notice of Draftsperson's Patent Drawing Review, PTO-948, attached hereto or to Paper No. 4.

☐ including changes required by the proposed drawing correction filed on \_\_\_\_\_, which has been approved by the examiner.

☐ including changes required by the attached Examiner's Amendment/Comment.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the reverse side of the drawings. The drawings should be filed as a separate paper with a transmittal letter addressed to the Official Draftsperson.

☐ Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Any response to this letter should include, in the upper right hand corner, the APPLICATION NUMBER (SERIES CODE/SERIAL NUMBER). If applicant has received a Notice of Allowance and Issue Fee Due, the ISSUE BATCH NUMBER and DATE of the NOTICE OF ALLOWANCE should also be included.

## Attachment(s)

☐ Notice of References Cited, PTO-892

☐ Information Disclosure Statement(s), PTO-1449, Paper No(s). \_\_\_\_\_

☐ Notice of Draftsperson's Patent Drawing Review, PTO-948

☐ Notice of Informal Patent Application, PTO-152

☐ Interview Summary, PTO-413

☐ Examiner's Amendment/Comment

☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

☒ Examiner's Statement of Reasons for Allowance

THOMAS BLACK  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2100

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III. DETAILED ACTION

1. Claims 1-20 are presented for examination.
2. Applicant's remarks filed January 26, 2001 have been fully considered and they are deemed to be persuasive.

Allowable Subject Matter

3. Claims 1-20 are allowed over the prior art of record.
4. The following is an examiner's statement of reasons for allowance:

Regarding Independent Claims 1, 9, 16 and 18, Applicant's particular knowledge integration system and associated method particular knowledge integration system and associated method for providing application interoperability and synchronization between heterogeneous document and data sources comprising of a data source suitable for independently performing data analysis operations, a document source including a document database memory for capturing knowledge and storing the knowledge in the form of documents, validating knowledge accuracy, making the captured knowledge available across a network, and a knowledge integration application managing the flow of information between the data source and the document source, thereby enabling the integration of data and analysis results with the documents and providing links to automatically update the documents upon a

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change of the data or analysis results in combination with the other limitations of the claims, was not disclosed by, would not have been obvious over, nor would have been fairly suggested by the prior art of record.

The dependent claims, being further limiting to the independent claims, definite and enabled by the Specification are also allowed.

The closest prior art, Daniel E. O'Leary (IEEE Publication, entitled, "Enterprise Knowledge Management, June 1998) discloses a enterprise knowledge management system that classifies and categorizes according to prespecified utilizing ontology into structured and semi-structured data and knowledge bases. O'Leary does not implicitly discloses particular knowledge integration system and associated method for providing application interoperability and synchronization between heterogeneous document and data sources comprising of a data source suitable for independently performing data analysis operations, a document source including a document database memory for capturing knowledge and storing the knowledge in the form of documents, validating knowledge accuracy, making the captured knowledge available across a network, and a knowledge integration application managing the flow of information between

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the data source and the document source, thereby enabling the integration of data and analysis results with the documents and providing links to automatically update the documents upon a change of the data or analysis results. The closest prior art fails to anticipate or render Applicant's limitations above obvious.

5. The following is an examiner's statement of reasons for allowance:

Regarding Independent Claim 12, Applicant's particular knowledge integration system comprising of an application module for providing application interoperability and synchronization between heterogeneous document and data sources; and a knowledge integration module for facilitating archiving or knowledge-related context and providing the ability to access and assess past, present and potential decisions, infrastructural setup, structuring process, practices, and applications and interactions between them in combination with the other limitations of the claims, was not disclosed by, would not have been obvious over, nor would have been fairly suggested by the prior art of record.

The dependent claims, being further limiting to the independent claims, definite and enabled by the Specification are also allowed.

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The closest prior art, Daniel E. O'Leary (IEEE Publication, entitled, "Enterprise Knowledge Management, June 1998) discloses a enterprise knowledge management system that classifies and categorizes according to prespecified utilizing ontology into structured and semi-structured data and knowledge bases. O'Leary does not implicitly disclose knowledge integration system comprising of an application module for providing application interoperability and synchronization between heterogeneous document and data sources; and a knowledge integration module for facilitating archiving or knowledge-related context and providing the ability to access and assess past, present and potential decisions, infrastructural setup, structuring process, practices, and applications and interactions between them. The closest prior art fails to anticipate or render Applicant's limitations above obvious.

6. Since allowance subject matter has been indicated, Applicant is encouraged to submit, formal drawings in response to this Office action. Applicant is reminded of the provisions of MPEP 608.02(q) and 608.02(r) regarding a separate draftsman's letter.

7. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue

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fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

8. As allowable subject matter has been indicated, Applicant's response must either comply with all formal requirements or specifically traverse each requirement not complied with. See 37 CRF 1.111(b) and MPEP section 707.07(a).

9. The application having been allowed, formal drawings are required in response to this Office action.

Conclusion

10. The prior art made of record and not relied upon is considered pertinent to Applicant's disclosure.

Points of Contact


11. Any inquiry concerning this communications from the examiner should be directed to Diane Mizrahi whose telephone number is (703) 305-3806. The examiner can normally be reached on Monday to Thursday from 7:30 AM. to 5:00 PM.

If any attempt to reach the examiner by telephone is unsuccessful, the examiner's supervisor, Thomas Black can be reached on (703) 305-9707.

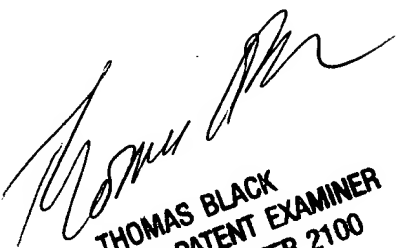
Any response to this office action should be mailed to The Commissioner of Patents and Trademarks, Washington, D.C. 20231 or the fax phone number for this group at (703) 308-9051.

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For formal or draft communications, please label "PROPOSED" or "DRAFT". Hand-delivered responses should be brought to Crystal Park II, 2021 Crystal Drive, 6th Floor Receptionist, Arlington, Virginia.

  
Diane Mizrahi  
Patent Examiner

February 10, 2001

  
THOMAS BLACK  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2100